

ACOUSTICAL NOISE REDUCTION FOR A DATA STORAGE DEVICE

Abstract of the Disclosure

5 A method, apparatus, and combination for reducing acoustical noise at
start-up of a device is disclosed. The method includes the steps of determining an
internal temperature of the device, and unlatching an actuator of the device based
on the determined internal temperature of the device, by steps for unlatching the
actuator of the device. The apparatus includes a thermistor providing a resistance
10 value to a controller that selects an unlatch process based on the resistance value of
the thermistor, and an unlatch procedure programmed into the controller executing
the selected unlatch process. The device combination includes a base deck
supporting an actuator confined by a magnetic latch for periods of inactivity, and
unlatched from the magnetic latch for periods of activity by steps for unlatching
15 the actuator.